

# VOLTAGE ISLAND DESIGN PLANNING

## Abstract of the Disclosure

A method and structure for designing an integrated circuit chip is disclosed. The method supplies a chip design, partitions elements of the chip design according to similarities in voltage requirements and timing of power states of the elements to create voltage islands, creates a floorplan of the voltage islands, assesses the floorplan, repeats the partitioning and the creating of the floorplan depending upon a result of the assessing process, and outputs a voltage island specification list.

## Figures